

From arc5 at ix.netcom.com Sun Jan 1 12:52:44 2023  
From: arc5 at ix.netcom.com (David Stinson)  
Date: Sun, 1 Jan 2023 06:52:44 -0600  
Subject: [BoatAnchors] Improving the Novice "Two Tube Beginner's Receiver"  
Message-ID: <dc68d97b-31e4-105b-8976-055f0869a9d9@ix.netcom.com>

How many of us remember or even built this simple 2-tube regen from this book? I'll bet some of you still have one on the shelf or in the attic.

It's a simple and fun circuit and taught one how to make the most of a simple regen.

<https://photos.app.goo.gl/6mkuXKN18UjjWhkw5>  
<https://photos.app.goo.gl/cDJybxoUSj1oyQDH8>

However, it has one design flaw which, once corrected, makes it much easier to use.

In the piece, the "Band Spread" capacitor, C1, sets the frequency the set tunes from one end of the tuning cap to another. In order to "spread it out" to a usable range- say, from 7000 KC to 7100 KC, one moved the coil tap which connected C1 to the tuning coil, moving the tap up toward the "hot end" of the coil.

<https://photos.app.goo.gl/aepZMY8JcitTsCNo9>

The value of C1 works well on 160 or 80 meters, but there is a problem with this if one is using it on 40 meters or higher: The higher one moves the C1 tap on the tuning coil, the harder it is to get stable regeneration. This is because as the 140 pFd C1 moves higher on the coil, it begins to act not only as a tuning capacitor, but also as an RF Bypass, draining energy from the tank circuit to ground and lowering the tank Q.

We can fix this. First, put the C1 tap back where the author first said to put it. Use an RF-quality, NP0 100 pFd cap in series with C1, mounted on the 40 Meter coil between pin 3 and the "bandsread" tap, effectively reducing the "Bandsread" cap to a lower value and reducing its bypassing and Q-killing problems. You'll find you have good bandsread without the difficulty getting enough regeneration. If you're using your set on 20 or 15 meters, reduce the series cap value until you get the bandsread range you need.

Note:

Don't use those "blue dipped" Chinese caps from Amazon.  
They are useless junk at RF

GL IN 23 OM ES 73 DE Dave AB5S

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www.avast.com

From w5sum at comcast.net Sun Jan 1 13:02:25 2023  
From: w5sum at comcast.net (Ronnie Hull)  
Date: Sun, 1 Jan 2023 07:02:25 -0600  
Subject: [BoatAnchors] Improving the Novice "Two Tube Beginner's Receiver"  
In-Reply-To: <dc68d97b-31e4-105b-8976-055f0869a9d9@ix.netcom.com>  
References: <dc68d97b-31e4-105b-8976-055f0869a9d9@ix.netcom.com>  
Message-ID: <911E2876-65B3-4B39-92C6-BD112CF0B5C5@comcast.net>

Yes I did build it and it works GREAT!!  
Thanks to Dave finding his above mentioned issue!!

Happy New Year!

Ron W5SUM

Sent from my iPhone

> On Jan 1, 2023, at 6:54 AM, David Stinson via BoatAnchors <boatanchors at lists.theporch.com> wrote:  
>  
> ?How many of us remember or even built this simple 2-tube regen from this book? I'll bet some of you still have one on the shelf or in the attic. It's a simple and fun circuit and taught one how to make the most of a simple regen.  
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> [www.avast.com](http://www.avast.com)

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> -----  
> BoatAnchors mailing list

> BoatAnchors at [lists.theporch.com](http://lists.theporch.com)

> <https://lists.theporch.com/mailman/listinfo/boatanchors>

From kd5byb at gmail.com Sun Jan 1 14:23:43 2023

From: kd5byb at gmail.com (Ben Hall)

Date: Sun, 1 Jan 2023 08:23:43 -0600

Subject: [BoatAnchors] Super-Pro BC-794 - dials received, another BC-779, an HQ-120X, all components replaced, quality control before reassembly.

In-Reply-To:

<CAAt081L7zoGgBTWdMJPfZvuEDBdZeh0f2CmFRWGLE8eZdz2k9g@mail.gmail.com>

References: <[mailman.10971.1671422113.1307.boatanchors@lists.theporch.com](mailto:mailman.10971.1671422113.1307.boatanchors@lists.theporch.com)>

<[501cf3c1-59f3-3b20-b6b8-e9e969beb31c@gmail.com](mailto:501cf3c1-59f3-3b20-b6b8-e9e969beb31c@gmail.com)>

<[368656ee-3651-b0fd-2d1d-7a39bec5b873@kd5byb.net](mailto:368656ee-3651-b0fd-2d1d-7a39bec5b873@kd5byb.net)>

<CAAt081L7zoGgBTWdMJPfZvuEDBdZeh0f2CmFRWGLE8eZdz2k9g@mail.gmail.com>

Message-ID: <[57ae5b6b-40bb-3755-8eaf-542fe1adae79@gmail.com](mailto:57ae5b6b-40bb-3755-8eaf-542fe1adae79@gmail.com)>

On 12/30/2022 10:41 AM, David Deem via BoatAnchors wrote:

> Which auction house, OM Ben?

Hi Dave and all,

The items I bought came from a place in Glenview, IL named "Esquis Auction Services." The auction did use the "Live Auctioneers" web interface.

If they offered additional items of interest down the road, I'll probably bid again. :)

thanks much,

ben, kd5byb

From kd5byb at kd5byb.net Sun Jan 1 15:06:39 2023  
From: kd5byb at kd5byb.net (Ben Hall)  
Date: Sun, 1 Jan 2023 09:06:39 -0600  
Subject: [BoatAnchors] Super-Pro BC-794 - quality control  
In-Reply-To: <368656ee-3651-b0fd-2d1d-7a39bec5b873@kd5byb.net>  
References: <mailman.10971.1671422113.1307.boatanchors@lists.theporch.com>  
<501cf3c1-59f3-3b20-b6b8-e9e969beb31c@gmail.com>  
<368656ee-3651-b0fd-2d1d-7a39bec5b873@kd5byb.net>  
Message-ID: <8c4eebd2-2c7b-582a-368a-d55b0a524332@kd5byb.net>

Good morning all,

Well, my quality control plans I posted the other day have come off the rails a little bit...

The first problem - there are A and B models of at least the BC-794. I can't recall which is which, I believe the "A" suffix has traditional "clam-shell" transformers with wire leads while the "B" has potted-style transformers that have solder terminals on them. My unit has the wired "clam-shell" transformers with wire leads...and the wiring diagrams in the manuals only show the potted-style units which have a different wiring layout in and around those transformers. It's pretty significantly different - my set has an extra terminal strip in the audio section compared to the manual.

Second problem - the wiring diagram either isn't scanned well enough to show details or is just flat-out wrong. V12, a 6H6 used as the AVC rectifier, has pins 1 (internal shield) and 2 (one end of the filament) tied to ground in the set and on the schematic...but not on the wiring diagram.

Third problem - the wiring diagram is for a BC-779, not for a BC-794 with the shunt-fed 2ND RF and 1ST Detector.

So instead of using the wiring diagram to inspect the audio section, I'm using both the wiring diagram \*and\* the schematic. This is really no big cheese, and is going very well. So far, I have found no issues in my repairs. :)

Thanks much and 73,  
Ben, KD5BYB

From arc5 at ix.netcom.com Sun Jan 1 16:26:07 2023  
From: arc5 at ix.netcom.com (David Stinson)  
Date: Sun, 1 Jan 2023 10:26:07 -0600  
Subject: [BoatAnchors] Improving the Novice "Two Tube Beginner's Receiver"  
In-Reply-To: <dc68d97b-31e4-105b-8976-055f0869a9d9@ix.netcom.com>  
References: <dc68d97b-31e4-105b-8976-055f0869a9d9@ix.netcom.com>  
Message-ID: <c8443eea-c758-9ce5-e440-b22175267916@ix.netcom.com>

I wasn't quite clear. C1 is the "bandspread" cap but it's also the main tuning cap. C2 is "band set."

On 1/1/2023 6:52 AM, David Stinson via BoatAnchors wrote:

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> book?? I'll bet some of you still have one on the shelf or in the attic.  
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> Don't use those "blue dipped"? Chinese caps from Amazon.  
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>  
> GL IN 23 OM ES 73 DE Dave AB5S  
>

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www.avast.com

From navy.radio at gmail.com Sun Jan 1 17:46:13 2023  
From: navy.radio at gmail.com (Nick England)  
Date: Sun, 1 Jan 2023 12:46:13 -0500  
Subject: [BoatAnchors] HNY and question about boatanchors list  
Message-ID: <CAB55hNcVv0qSMsJixrpxMSd4-OPt-  
=JSDkERGEAcSjbM6Sfr6g@mail.gmail.com>

Jack Hill W4KH, the long time boatanchors at theporch list manager, hasn't been responding in quite a while, so I've been asked to help keep things running.

Question - Jack frowned on posting simultaneously to multiple lists, like to this one and also to boatanchors at qth - one problem comes when person A

(on this list) posts to both lists and person B (not on this list) replies to A's post and then B's reply bounces to me for approval to forward to this list.

So what should I do? - approve the reply from a non-member, or not? Are most of you folks on both boatanchors lists? What makes for optimal s/n?

You can reply directly to me at navy.radio at gmail.com or to the list for discussion.

73 & Happy New Year  
Nick England K4NYW  
www.navy-radio.com

From kd5byb at kd5byb.net Sun Jan 1 18:16:58 2023  
From: kd5byb at kd5byb.net (Ben Hall)  
Date: Sun, 1 Jan 2023 12:16:58 -0600  
Subject: [BoatAnchors] HNY and question about boatanchors list  
In-Reply-To: <CAB55hNcVv0qSMsJixrpxMSd4-OPt-  
=JSDkERGEAcSjbM6Sfr6g@mail.gmail.com>  
References: <CAB55hNcVv0qSMsJixrpxMSd4-OPt-  
=JSDkERGEAcSjbM6Sfr6g@mail.gmail.com>  
Message-ID: <f508d612-efef-1eb8-7ba3-2755fb17c56d@kd5byb.net>

On 1/1/2023 11:46 AM, Nick England via BoatAnchors wrote:

> So what should I do? - approve the reply from a non-member, or not? Are  
> most of you folks on both boatanchors lists? What makes for optimal s/n?

Hi Nick and all,

I have no strong feelings on this subject. But...I recently replied-all to a post here that had been cross-posted to at least one other BoatAnchors mailing list. I got a little e-mail (automated, I think) from that list saying that I couldn't post because I wasn't a member. That struck me as odd - a BoatAnchors list that I'm not a member of? What? Really? How can that be? So I verified that I wasn't subscribed to the other list and joined up. :)

It's literally been over a quarter-century since I joined up here (wow!), so I can't recall what the vetting / subscription process was. For sure, if I was able to get in, it wasn't too strict! Hee hee. But I do know there was one, as Jack took much pride in keep the S/N ratio here high by keeping out the riff-raff.

My thought, subject to brighter minds than mine is that perhaps the thing to do if a non-member sends a post is to invite them to become a member of this list?

But, like I said, no strong feelings here. If there's a cross-post and it reveals I'm not subbed to another BoatAnchor list, I'll join up. ;)

Side Question: Speaking of a quarter-century...does anyone have a call-book from 1998? I'm considering joining the QCWA, but lost my original ticket in one of too many moves. The 1997 call-book is online, and KD5BYB does not appear in it, but I can't find a 1998 call-book anywhere electronically. My current license expires 7/30/2027, and if they get renewed in 10-year increments, that means I'd first have been licensed in July 1997 minus some time between passing the test and getting the ticket, and July makes sense as I passed the test at the Texas City hamfest which seems to always be held in July...and would make sense why I'd not be in the 1997 call-book as it was probably issued before July.

Thanks much and 73,  
Ben, KD5BYB

From kd5byb at gmail.com Sun Jan 1 18:24:12 2023  
From: kd5byb at gmail.com (Ben Hall)  
Date: Sun, 1 Jan 2023 12:24:12 -0600  
Subject: [BoatAnchors] Super-Pro BC-794 - no R32 dial lamp dropping resistor.  
In-Reply-To: <8c4eebd2-2c7b-582a-368a-d55b0a524332@kd5byb.net>  
References: <mailman.10971.1671422113.1307.boatanchors@lists.theporch.com>  
<501cf3c1-59f3-3b20-b6b8-e9e969beb31c@gmail.com>

<368656ee-3651-b0fd-2d1d-7a39bec5b873@kd5byb.net>  
<8c4eebd2-2c7b-582a-368a-d55b0a524332@kd5byb.net>  
Message-ID: <76b66b6b-dd76-f042-8e17-4dd337777610@gmail.com>

Afternoon all,

So the inspection process continues and I thought I'd found my first mistake.

The schematic and wiring diagrams show a 4 ohm, 5 watt resistor in series with the three panel lamps that illuminate the two dials and the S-meter. This resistor is designated R32. However, like I noted in my last post, because my set has non-potted wire-lead transformers, I have a much different terminal strip configuration than the wiring diagram.

However, tracing back the filament wiring from the panel lamps shows no missing connection - the panel lamps are wired in parallel with the filaments, and physically pulls power from one of the 6F6 output tubes, V15. Looking at the wiring to the lamps, it's factory original, so I believe the set rolled out of Hammarlund without it.

I need to go look at my BC-779's and see what they've got.

What I find interesting is that we know heat can "cook" plastic over time, and if the dropping resistor was there to keep the dial scale plastic a little cooler, perhaps that might help explain why the BC-794's dial scales are so warped?

Interesting.

thanks much and 73,  
ben, KD5BYB

From kd5byb at kd5byb.net Sun Jan 1 19:08:49 2023  
From: kd5byb at kd5byb.net (Ben Hall)  
Date: Sun, 1 Jan 2023 13:08:49 -0600  
Subject: [BoatAnchors] Super-Pro BC-794 - dial lamp resistor update  
In-Reply-To: <76b66b6b-dd76-f042-8e17-4dd337777610@gmail.com>  
References: <mailman.10971.1671422113.1307.boatanchors@lists.theporch.com>  
<501cf3c1-59f3-3b20-b6b8-e9e969beb31c@gmail.com>  
<368656ee-3651-b0fd-2d1d-7a39bec5b873@kd5byb.net>  
<8c4eebd2-2c7b-582a-368a-d55b0a524332@kd5byb.net>  
<76b66b6b-dd76-f042-8e17-4dd337777610@gmail.com>  
Message-ID: <ce810f29-6361-c908-520e-7f4d67b69bde@kd5byb.net>

On 1/1/2023 12:24 PM, Ben Hall via BoatAnchors wrote:  
> I need to go look at my BC-779's and see what they've got.



Confirmed: both of the 779's have the 4-ohm dial-lamp dropping resistor. And I can confirm that where the 4-ohm resistors are on the 779's, the terminal strip on the 794 is bare in both locations.

Strange stuff.

I'm not going to add it to my 794. If I want to get rid of dial-lamp heat, I'll replace the filament bulbs with LED's. Some time ago I came up with a way to 3D print little plastic adapters that allow me to replace filament panel lamps with a teeny-tiny PCB and SMD LED's:

<<https://photos.app.goo.gl/NCGqWYNajpHXohtF9>>

Hopefully that works. Never shared anything with Google Photos before.

The only big issue is clocking - got to clock the socket so that the LED's are facing the dial scale. With warm-white LED's, they look very close to real filament illumination.

thanks much and 73,  
ben, KD5BYB

From dave at horsfall.org Sun Jan 1 20:11:22 2023  
From: dave at horsfall.org (Dave Horsfall)  
Date: Mon, 2 Jan 2023 07:11:22 +1100 (EST)  
Subject: [BoatAnchors] HNY and question about boatanchors list  
In-Reply-To: <CAB55hNcVv0qSMsJixrpxMSd4-OPt-  
=JSDkERGEAcSjbM6Sfr6g@mail.gmail.com>  
References: <CAB55hNcVv0qSMsJixrpxMSd4-OPt-  
=JSDkERGEAcSjbM6Sfr6g@mail.gmail.com>  
Message-ID:  
<alpine.BSF.2.21.9999.2301020702330.95173@aneurin.horsfall.org>

On Sun, 1 Jan 2023, Nick England via BoatAnchors wrote:

[...]

> So what should I do? - approve the reply from a non-member, or not? Are  
> most of you folks on both boatanchors lists? What makes for optimal s/n?

I think the problem comes down to people blindly using "Reply all" (always a mistake on mailing lists)... Select your recipients carefully; a blind "Reply all" is just being lazy (I already get a list copy).

And I didn't even know that there was a 2nd list :-)

-- Dave VK2KFU

From spr at earthlink.net Mon Jan 2 02:46:59 2023  
From: spr at earthlink.net (Scott Robinson)  
Date: Sun, 1 Jan 2023 18:46:59 -0800  
Subject: [BoatAnchors] HNY and question about boatanchors list  
In-Reply-To: <f508d612-efef-1eb8-7ba3-2755fb17c56d@kd5byb.net>  
References: <CAB55hNcVv0qSMsJixrpxMSd4-OPt-  
=JSDkERGEAcSjbM6Sfr6g@mail.gmail.com>  
<f508d612-efef-1eb8-7ba3-2755fb17c56d@kd5byb.net>  
Message-ID: <1ba20262-fe63-4482-b0a4-c1062aa15de1@earthlink.net>

CHRS almost certainly has that callbook, along with most if not all others. I'll be there (30 miles from my qth) next Saturday, so let me know if you've still come up dry by then.

Peace, and Happy New Year.

/scott robinson

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> BoatAnchors mailing list  
> BoatAnchors at lists.theporch.com  
> <https://lists.theporch.com/mailman/listinfo/boatanchors>

From wrcromwell at gmail.com Sun Jan 1 16:15:59 2023  
From: wrcromwell at gmail.com (Bill Cromwell)  
Date: Sun, 1 Jan 2023 11:15:59 -0500  
Subject: [BoatAnchors] [Boatanchors] Improving the Novice "Two Tube  
Beginner's Receiver"  
In-Reply-To: <dc68d97b-31e4-105b-8976-055f0869a9d9@ix.netcom.com>  
References: <dc68d97b-31e4-105b-8976-055f0869a9d9@ix.netcom.com>  
Message-ID: <73BCB4F1-AEFE-4D7F-8E8C-0CC50CCB841F@gmail.com>

Hi,

I'm afraid the one I built used a single 5SN7 dual triode. I was about 13  
years old. I think it was a miracle that I got it to work! These days I  
have an RCA RAK7 and National SW-3. Those are much nicer to use :)

Thanks for the memories and Happy New Year.

73,

Bill KU8H

Bark less - wag more

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> <https://photos.app.goo.gl/aepZMY8JcitTsCNo9>

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> The value of C1 works well on 160 or 80 meters, but there is a problem with this if one is using it on 40 meters or higher: The higher one moves the C1 tap on the tuning coil, the harder it is to get stable regeneration. This is because as the 140 pFd C1 moves higher on the coil, it begins to act not only as a tuning capacitor, but also as an RF Bypass, draining energy from the tank circuit to ground and lowering the tank Q.

>

> We can fix this. First, put the C1 tap back where the author first said to put it. Use an RF-quality, NP0 100 pFd cap in series with C1, mounted on the 40 Meter coil between pin 3 and the "bandspread" tap, effectively reducing the "Bandspread" cap to a lower value and reducing its bypassing and Q-killing problems. You'll find you have good bandspread without the difficulty getting enough regeneration. If you're using your set on 20 or 15 meters, reduce the series cap value until you get the bandspread range you need.

> Note:

> Don't use those "blue dipped" Chinese caps from Amazon.

> They are useless junk at RF

>

> GL IN 23 OM ES 73 DE Dave AB5S

>

>

From kd5byb at kd5byb.net Mon Jan 2 19:24:58 2023

From: kd5byb at kd5byb.net (Ben Hall)

Date: Mon, 2 Jan 2023 13:24:58 -0600

Subject: [BoatAnchors] Super-Pro BC-794 - inspection complete

In-Reply-To: <ce810f29-6361-c908-520e-7f4d67b69bde@kd5byb.net>

References: <mailman.10971.1671422113.1307.boatanchors@lists.theporch.com>

<501cf3c1-59f3-3b20-b6b8-e9e969beb31c@gmail.com>

<368656ee-3651-b0fd-2d1d-7a39bec5b873@kd5byb.net>

<8c4eebd2-2c7b-582a-368a-d55b0a524332@kd5byb.net>

<76b66b6b-dd76-f042-8e17-4dd337777610@gmail.com>

<ce810f29-6361-c908-520e-7f4d67b69bde@kd5byb.net>  
Message-ID: <c7969c52-bc1a-73a9-cf1a-34c288ea3503@kd5byb.net>

Afternoon all,

I have finished my quality inspection of the work I've done on the BC-794. I only found one issue - one ground terminal that had wires installed, but no solder. Everything else matched the wiring diagram or the schematic...with the exception of no lamp dropping resistor.

This kinda of shocks me. Did I work carefully? Yes. Did I take notes and pictures of everything? Yes. Did I inspect everything as I went along? Yes. But, usually, even when I'm doing all that I make more mistakes than I've made in this set. This is very odd to me. I'm almost not trusting it!

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Uh...no...the only pin that should be grounded in this osc circuit is the pin 1 shield, the pin 8 cathode goes to the mixer thru a 95 pF cap. The wiring diagram agrees, as does the BC-794 schematic in TM 11-866. I found another instance of this elsewhere, but can't recall where it was.

My take away is that if you've got a wiring diagram and a schematic, don't trust either one. Cross check them against each other. If you've got a different version of the manual, use that as a third check source.

Anyways, with the tuner still out I'm taking some time to clean things up. Several spots of corrosion on the top of the chassis have been addressed, the worst of the dirt cleaned off, I added some fiberglass sleeving on one of the wiring harnesses that had some very minor chafing from the bottom cover, etc... After that's done, I'll mount the new dial scales and start putting the set back together. :)

Thanks much and 73,  
ben, KD5BYB

From n9hrt at sbcglobal.net Mon Jan 2 19:32:22 2023  
From: n9hrt at sbcglobal.net (JOHN MCCARTY)  
Date: Mon, 2 Jan 2023 19:32:22 +0000 (UTC)  
Subject: [BoatAnchors] Improving the Novice "Two Tube Beginner's

Receiver"

In-Reply-To: <dc68d97b-31e4-105b-8976-055f0869a9d9@ix.netcom.com>

References: <dc68d97b-31e4-105b-8976-055f0869a9d9@ix.netcom.com>

Message-ID: <2091738068.6526175.1672687942406@mail.yahoo.com>

Happy New Years to Dave and all the boat anchor folk.  
I built one of these about two years ago. I have always been fascinated by regens. I kept true to the original design except I used a bigger instrument box and a different vernier dial, since I had them on hand. I did have issues with getting it to regenerate on 40 but I put it down to a dead spot when using the coax feed from my antenna tuner. If I remember correctly if I by-passed the tuner and went directly to the end fed wire, things worked much better. I'll try and scrape up some time and get it out of the storage space and set it up. Right now the storage space is up for grabs as the boss is sorting, tossing and re-boxing the her holiday decorations.

73 and Dave, keep up the good work.

John n9hrt

On Sunday, January 1, 2023 at 06:53:02 AM CST, David Stinson via BoatAnchors <boatanchors at lists.theporch.com> wrote:

How many of us remember or even built this simple 2-tube regen from this book?? I'll bet some of you still have one on the shelf or in the attic.  
? It's a simple and fun circuit and taught one how to make the most of a simple regen.

<https://photos.app.goo.gl/6mkuXKN18UjjWhkw5>

<https://photos.app.goo.gl/cDJybXoUSj1oyQDH8>

? However, it has one design flaw which, once corrected, makes it much easier to use.

In the piece, the "Band Spread" capacitor, C1, sets the frequency the set tunes from one end of the tuning cap to another.? In order? to "spread it out" to a usable range- say, from 7000 KC to 7100 KC, one moved the coil tap which connected C1 to the tuning coil, moving the tap up toward the "hot end" of the coil.

<https://photos.app.goo.gl/aepZMY8JcitTsCNo9>

The value of C1 works well on 160 or 80 meters, but there is a problem with this if one is using it on 40 meters or higher: The higher one moves the C1 tap on the tuning coil, the harder it is to get stable regeneration.? This is because as the 140 pFd C1 moves higher on the coil, it begins to act not only as a tuning capacitor, but also as an RF Bypass, draining energy from the tank circuit to ground and lowering the tank Q.

We can fix this.? First, put the C1 tap back where the author first said to put it.? Use an RF-quality, NP0 100 pFd cap in series with C1, mounted on the 40 Meter coil between pin 3 and the "bandsread" tap, effectively reducing the "Bandsread" cap to a lower value and reducing its bypassing and Q-killing problems.? You'll find you have good bandsread without the difficulty getting enough regeneration.? If you're using your set on 20 or 15 meters, reduce the series cap value until you get the bandsread range you need.

Note:

Don't use those "blue dipped"? Chinese caps from Amazon.  
They are useless junk at RF

GL IN 23 OM ES 73 DE Dave AB5S

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www.avast.com

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BoatAnchors mailing list

BoatAnchors at lists.theporch.com

<https://lists.theporch.com/mailman/listinfo/boatanchors>

From spr at earthlink.net Mon Jan 2 19:46:58 2023

From: spr at earthlink.net (Scott Robinson)

Date: Mon, 2 Jan 2023 11:46:58 -0800

Subject: [BoatAnchors] Super-Pro BC-794 - inspection complete

In-Reply-To: <c7969c52-bc1a-73a9-cf1a-34c288ea3503@kd5byb.net>

References: <mailman.10971.1671422113.1307.boatanchors@lists.theporch.com>

<501cf3c1-59f3-3b20-b6b8-e9e969beb31c@gmail.com>

<368656ee-3651-b0fd-2d1d-7a39bec5b873@kd5byb.net>

<8c4eebd2-2c7b-582a-368a-d55b0a524332@kd5byb.net>

<76b66b6b-dd76-f042-8e17-4dd33777610@gmail.com>

<ce810f29-6361-c908-520e-7f4d67b69bde@kd5byb.net>

<c7969c52-bc1a-73a9-cf1a-34c288ea3503@kd5byb.net>

Message-ID: <90dd49d1-0eca-f065-ea88-2082e4f596b4@earthlink.net>

Hi Ben,

The cathode of the 6J7 oscillator has to connect to ground, via a resistor or coil, or the tube won't work. This is in addition to the 95 pF cap.

/Scott Robinson

On 1/2/23 11:24 AM, Ben Hall via BoatAnchors wrote:

> Afternoon all,

>

> In another case, I found the TM 11-4054 schematic to be clearly wrong,  
> while the wiring diagram (and my notes!) are correct.? Such an instance  
> of this is the 6J7 oscillator, the schematic shows the pin 8 cathode  
> connected to ground and the pin 1 shield connected to ground.  
> Uh...no...the only pin that should be grounded in this osc circuit is  
> the pin 1 shield, the pin 8 cathode goes to the mixer thru a 95 pF cap.

From kd5byb at kd5byb.net Mon Jan 2 19:57:30 2023

From: kd5byb at kd5byb.net (Ben Hall)

Date: Mon, 2 Jan 2023 13:57:30 -0600

Subject: [BoatAnchors] Super-Pro BC-794 - inspection complete

In-Reply-To: <90dd49d1-0eca-f065-ea88-2082e4f596b4@earthlink.net>

References: <mailman.10971.1671422113.1307.boatanchors@lists.theporch.com>

<501cf3c1-59f3-3b20-b6b8-e9e969beb31c@gmail.com>

<368656ee-3651-b0fd-2d1d-7a39bec5b873@kd5byb.net>

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<c7969c52-bc1a-73a9-cf1a-34c288ea3503@kd5byb.net>

<90dd49d1-0eca-f065-ea88-2082e4f596b4@earthlink.net>

Message-ID: <ba15aled-4f9c-3ff8-90f9-816585e9feab@kd5byb.net>

On 1/2/2023 1:46 PM, Scott Robinson wrote:

> Hi Ben,

>

> The cathode of the 6J7 oscillator has to connect to ground, via a  
> resistor or coil, or the tube won't work. This is in addition to the  
> 95 pF cap.

Indeed it does - there's a set of coils in the tuner that cathode current passes thru on it's way to ground. :) But it shouldn't connect to ground right at the socket like shown on the schematic.

thanks much and 73,  
ben, kd5byb

From dickburk at ix.netcom.com Mon Jan 2 21:53:35 2023

From: dickburk at ix.netcom.com (dickburk)

Date: Mon, 02 Jan 2023 13:53:35 -0800

Subject: [BoatAnchors] Super-Pro BC-794 - inspection complete

In-Reply-To: <c7969c52-bc1a-73a9-cf1a-34c288ea3503@kd5byb.net>

Message-ID: <mailman.12713.1672696419.1307.boatanchors@lists.theporch.com>

Good luck and let us know the results.? I used a 779 as my station receiver for years it's a favorite.? I don't remember a dripping resistor for the dial lamps.? Probably a good idea.? Only the 774 has shunt fed RF



amps, the others are series fed.? BC band? on the 1004 and two low MF bands on the 779 have resistors to increase RF bandwidth.??Sent from my Galaxy

----- Original message -----From: Ben Hall via BoatAnchors  
<boatanchors at lists.theporch.com> Date: 1/2/23 11:25 AM (GMT-08:00)  
To: boatanchors at lists.theporch.com Cc: Ben Hall <kd5byb at kd5byb.net>  
Subject: [BoatAnchors] Super-Pro BC-794 - inspection complete Afternoon  
all,I have finished my quality inspection of the work I've done on the BC-794.? I only found one issue - one ground terminal that had wires installed, but no solder.? Everything else matched the wiring diagram or the schematic...with the exception of no lamp dropping resistor.This kinda of shocks me.? Did I work carefully?? Yes.? Did I take notes and pictures of everything?? Yes.? Did I inspect everything as I went along?? Yes.? But, usually, even when I'm doing all that I make more mistakes than I've made in this set.? This is very odd to me.? I'm almost not trusting it! It's probably worth talking a bit more about most everything matching the wiring diagram or the schematic.? As I previously noted, the wiring diagram in the manuals is for a BC-779 with potted transformers and the non-shunt fed IF stages...so in those areas, the schematic must be used.In another case, I found the TM 11-4054 schematic to be clearly wrong, while the wiring diagram (and my notes!) are correct.? Such an instance of this is the 6J7 oscillator, the schematic shows the pin 8 cathode connected to ground and the pin 1 shield connected to ground.? Uh...no...the only pin that should be grounded in this osc circuit is the pin 1 shield, the pin 8 cathode goes to the mixer thru a 95 pF cap.? The wiring diagram agrees, as does the BC-794 schematic in TM 11-866.? I found another instance of this elsewhere, but can't recall where it was.My take away is that if you've got a wiring diagram and a schematic, don't trust either one.? Cross check them against each other.? If you've got a different version of the manual, use that as a third check source.Anyways, with the tuner still out I'm taking some time to clean things up.? Several spots of corrosion on the top of the chassis have been addressed, the worst of the dirt cleaned off, I added some fiberglass sleeving on one of the wiring harnesses that had some very minor chafing from the bottom cover, etc...? After that's done, I'll mount the new dial scales and start putting the set back together.? :)Thanks much and 73,ben,  
KD5BYB\_\_\_\_\_BoatAnchors mailing  
listBoatAnchors at lists.theporch.com<https://lists.theporch.com/mailman/listinfo/boatanchors>

From ark at ar88.net Wed Jan 4 05:23:33 2023  
From: ark at ar88.net (Al Klase)  
Date: Wed, 4 Jan 2023 00:23:33 -0500  
Subject: [BoatAnchors] Antique & Vintage Radio Electronics Auction !  
In-Reply-To: <1590208997.7172617.1672795810333@mail.yahoo.com>  
References:  
<1139733950885.1138346937496.1461665033.0.211430JL.2002@scheduler.constant  
contact.com>

<1590208997.7172617.1672795810333@mail.yahoo.com>  
Message-ID: <75a5c238-addf-c0c6-e44d-989718fa323d@ar88.net>

More Photos, & Item List Posted!

Antique & Vintage Radio Electronics Auction 01/07/2023

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PREVIEW begins at 8:00 AM, AUCTION begins at 9:00 AM. For more  
details and pictures, please follow the link below!

See you at the Auction.

More photos & item list posted click here!

<[https://r20.rs6.net/tn.jsp?f=001cMjljJZAFygMgfzSL7xvM-N3eNBP3eoaCH6GTW07CkWGgni6Lr3tXcCKQuwzP5IANWR0XIG6KHI05n9PaMZwdhsfYFKky4-sscioDf43Z2ssCFzIoPCFD5zgIpNLJZH46wwq7RJVC15rU83DUr-UNcm-y35L6V8SbpJ3-0u3RqW-T-7Eo1UEZ8R0X1le1GNucPkDf6W8dbR0QaAST7MbwnR-dcIXPv0eTZxaJ48LRLk=&c=u7KBtruG4bZpfwI1EfB1Nimt0Fd8UeoI4vJvGM-P8wpBFPrK7YScMg==&ch=QM8gT8ZzJM7UHjBKKxqgleuwGn46bAEhMUJiHXmL7NKA0W50AaGgW==](https://r20.rs6.net/tn.jsp?f=001cMjljJZAFygMgfzSL7xvM-N3eNBP3eoaCH6GTW07CkWGgni6Lr3tXcCKQuwzP5IANWR0XIG6KHI05n9PaMZwdhsfYFKky4-sscioDf43Z2ssCFzIoPCFD5zgIpNLJZH46wwq7RJVC15rU83DUr-UNcm-y35L6V8SbpJ3-0u3RqW-T-7Eo1UEZ8R0X1le1GNucPkDf6W8dbR0QaAST7MbwnR-dcIXPv0eTZxaJ48LRLk=&c=u7KBtruG4bZpfwI1EfB1Nimt0Fd8UeoI4vJvGM-P8wpBFPrK7YScMg==&ch=QM8gT8ZzJM7UHjBKKxqgleuwGn46bAEhMUJiHXmL7NKA0W50AaGgW==>)>

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JDauctionsllc.com <<http://JDauctionsllc.com>>

?

From kd5byb at kd5byb.net Thu Jan 5 23:44:12 2023  
From: kd5byb at kd5byb.net (Ben Hall)  
Date: Thu, 5 Jan 2023 17:44:12 -0600  
Subject: [BoatAnchors] Super-Pro BC-794 - dial scales

In-Reply-To: <c7969c52-bc1a-73a9-cf1a-34c288ea3503@kd5byb.net>  
References: <mailman.10971.1671422113.1307.boatanchors@lists.theporch.com>  
<501cf3c1-59f3-3b20-b6b8-e9e969beb31c@gmail.com>  
<368656ee-3651-b0fd-2d1d-7a39bec5b873@kd5byb.net>  
<8c4eebd2-2c7b-582a-368a-d55b0a524332@kd5byb.net>  
<76b66b6b-dd76-f042-8e17-4dd337777610@gmail.com>  
<ce810f29-6361-c908-520e-7f4d67b69bde@kd5byb.net>  
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Message-ID: <6f4c1e62-8f08-b4c4-4a6e-ca2148adec78@kd5byb.net>

Good evening all,

At last writing, I noted I'd completed the quality inspection post nearly full re-cap / re-resistor of my BC-794A. Since then, work has been a bear, but I've had a few minutes here and there to get some thinking and disassembly done on the dial scales.

Let's talk the main scale first. The main scale is an assembly - there's the dial scale disk, a spacer, and the band-selecting "shutter" that rotates to expose the correct scale when one rotates the band change knob. To get access to the dial scale, you've got to take the unit apart. How it goes together is not obvious unless you look at it closely. The whole assembly rides on a hollow shaft with a shoulder. That shoulder is where the two screws hold the hollow shaft to the tuning capacitor. On that shaft rides the band-shutter, and a spacer. The whole thing is held together by the metal center section of the dial scale itself. I think it's a light press fit, but it is also slightly peened over for positive retention. To disassemble, I used a carbide burr on a Dremel tool, very lightly removing those peened over edges. I went very slowly - Dremel a little, wiggle it a little, lather, rinse, repeat. Eventually, it came apart. The plastic dial scale disk with it's metal center containing the band-end stops is now free.

My plan for reassembly once the scale has been replaced is to use a touch of epoxy, then use a punch to attempt to peen the edges over once again. Or at least move enough metal so that the disk compresses against the hollow shaft good enough to retain everything. We shall see. I'm not super optimistic, but it's the only plan I've got.

With the main scale assembly now apart, the bandspread dial scale assembly and the main dial scale assembly are much the same, except that bandspread still has it's hollow shaft, while the main does not. The dial scale plastic is riveted with hollow rivets to the metal center section with six rivets. To remove them, I did the same trick with the Dremel - grinding away the peened-over portion of the rivet just enough to pull them free. It doesn't take much at all!

The hollow rivets are right at 3/32" outside shaft diameter, with a larger

head.

I initially was going to use 4-40 screws and nuts instead of the rivets, but my garage is in such disarray that I can't easily look at either of the BC-794's (same dial mechanisms) to get an idea of the clearance I might have. It appears that a small pattern 4-40 hex nut, if too tall, will catch on the pin that engages the band-end tabs on the dial scales. Plus, a 4-40 screw is just a tiny bit bigger than the holes in the plastic dial scale and metal center disk. Opening u holes in metal while retaining center isn't hard as long as the metal has some thickness. It's hard to do in sheet metal. I don't even want to think about doing it in plastic, as typical jobber drills like I've got "bite" and "grab" plastic too easily.

I then went looking for compatible hollow rivets, and it seems that the jewelry industry sells very similar rivets. The few places I looked had minimum orders higher than I wanted to pay, and wanted to sell a C-press tool that didn't have enough reach to work on the BC-794 scales. So I ended up on the e-place buying semi-tubular rivets made from aluminum. Note that the rivet folks call these tubular rivets, even though they are NOT hollow all the way thru like the originals. The head is solid. My plan is to attempt to peen these over with cobbled-together pin punches and nail setters, some improvised rivet setters made from hardened drill-rod, a vise, a ball peen hammer, and probably a few high-gravity beers / stiff drinks. ;)

Side note: its interesting that "cobbled-together" is a negative term. I've watched some videos on the you-place of cobblers doing their thing, and the ones still around today do anything but cobble things together. When they rebuild shoes, it's almost art. I wonder if old time cobblers did more negative connotation cobbling than they do today?

If I can't make peening work, I'll resort to epoxy. The epoxy should absolutely work here.

At the moment, the rivets are stuck in the USPS between Illinois and my QTH in Northern Alabama. They said they'd be delivered today, but the detailing tracking show no updates since the 4th - no movement today at all. I have a love/hate affair with USPS, FEDEX, and UPS. Usually, I love them. I get stuff quickly, often sooner than promised. Then sometimes, stuff gets stuck, or goes from Illinois to Los Angeles to Memphis before going to Atlanta, then Birmingham AL, then Huntsville AL, and finally to me.

thanks much and 73,  
ben, kd5byb

From arc5 at ix.netcom.com Fri Jan 6 00:22:46 2023  
From: arc5 at ix.netcom.com (David Stinson)  
Date: Thu, 5 Jan 2023 18:22:46 -0600  
Subject: [BoatAnchors] Super-Pro BC-794 - dial scales  
In-Reply-To: <6f4c1e62-8f08-b4c4-4a6e-ca2148adec78@kd5byb.net>  
References: <mailman.10971.1671422113.1307.boatanchors@lists.theporch.com>  
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<368656ee-3651-b0fd-2d1d-7a39bec5b873@kd5byb.net>  
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Message-ID: <adf5621a-806e-3fa4-cbe8-fd83f104ad98@ix.netcom.com>

You're a braver man than me, Ben.  
For what it's worth, I think you'll  
"whup it" for sure.

Dave S.

--

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[www.avast.com](http://www.avast.com)

From kd5byb at kd5byb.net Sat Jan 7 16:41:27 2023  
From: kd5byb at kd5byb.net (Ben Hall)  
Date: Sat, 7 Jan 2023 10:41:27 -0600  
Subject: [BoatAnchors] Super-Pro BC-794 - dial scale reassembly  
In-Reply-To: <6f4c1e62-8f08-b4c4-4a6e-ca2148adec78@kd5byb.net>  
References: <mailman.10971.1671422113.1307.boatanchors@lists.theporch.com>  
<501cf3c1-59f3-3b20-b6b8-e9e969beb31c@gmail.com>  
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<c7969c52-bc1a-73a9-cf1a-34c288ea3503@kd5byb.net>  
<6f4c1e62-8f08-b4c4-4a6e-ca2148adec78@kd5byb.net>  
Message-ID: <10d7a246-f3e6-20f5-a0d0-fb0a7da14955@kd5byb.net>

Good morning all,

It's another rainy morning, so all the "outside work" is on hold and I got back on the BC-794A Super Pro. This morning's task was to complete disassembly and reassembly of the dial scales with the new units from Radio Daze.

Turns out, it wasn't too bad. I did the bandspread dial first. The old dial scale was still attached, so used the Dremel with a carbide burr to take just enough off the tubular rivets that hold it on to remove them. Got all the old rivets removed and came to the conclusion that the best thing to practice on to get my riveting technique all figured out would be the old dial.

Last post I noted I was going to get a bunch of pin-punches, nail setters, etc..., to make my own tooling. For giggles, I slapped a rivet in place and just used the ball peen hammer to set the rivet. Worked great! Did a second one just to make sure it wasn't a fluke, and when it went fine and looked good, all thoughts of complicated rivet tooling went out the window. I Dremel'ed off the practice rivets and went for the real thing.

Well, a problem popped up. The diameter of the rivet holes on the new dial scale and the holes on the plate to which it attaches were slightly diametrically different. Enough difference that getting all six rivets installed would be tough. I compared the metal plate holes against the old dial scale holes and saw the SAME diameter difference. Interesting. The metal disc is plated, stamped brass, I wonder if there was some worn tooling or something going on here.

Let's think about this for a little bit. I could force the rivets on, but that puts the plastic dial scale under stress. AH HA! Maybe we know why the originals got all distorted - forcing the rivets on leaves stress in the plastic, and over time, that stress results in a warped dial scale.

So I opened up the holes on the metal plate a few thousandths of an inch on the drill press, just enough so the rivets would be a nice snug fit and installed them with the ball peen hammer. Success! Looks nice too.

Next came the main dial scale. Same process - hole pattern diameters slightly different, opened them up a hair on the drill press, install rivets, all good.

At this point I gave the painted surfaces a clean and put some car wax on them just because I could. ;)

Now the hair raising part. The band "shutter" rotates on a hollow shaft, and that hollow shaft that also mates with the main tuning cap knob. That was a press fit that was then peened over on a press. I had to Dremel off the peening to get to the rivets. In the last post, I figured I'd tap it back on with a few drops of JB Weld then use a punch to peen the edges over just a hair.

But looking at the clearances between where the epoxy \*should\* go versus where it couldn't go because it would gum parts up was TINY. I ended up cleaning everything extremely well and spreading an extremely light film

of grease on the "couldn't go" surfaces so if any epoxy did get there, it hopefully wouldn't stick.

I dry ran it once and found that the original press fit was still pretty tight. That's good. It came apart, I applied the JB Weld, and tapped in all back together. I then peened over the hollow shaft so that it would "pinch" the plate a few times. Upon inspection with a magnifying loupe, I could see that the peening worked to flow the metal a little bit over the edge...but also made little "indentation keyways" from the shaft into the metal plate that will help resist the plate rotating on the shaft.

So far, so good. I'm going to let the epoxy harden until tomorrow and then return to reassembly. That will be the real test of this rework. If the tuning knob rotates the dial scale and the tuning cap turns without slipping, it will be a success. :)

Thanks much and 73,  
ben, kd5byb

From arc5 at ix.netcom.com Fri Jan 13 00:55:56 2023  
From: arc5 at ix.netcom.com (David Stinson)  
Date: Thu, 12 Jan 2023 18:55:56 -0600  
Subject: [BoatAnchors] BW 5100  
Message-ID: <308cfbf2-6b95-de5c-cabf-f77e1d940127@ix.netcom.com>

If you're a B&W fan near Texas,  
you might want to see this. Not mine, etc.:

<https://www.facebook.com/marketplace/item/867898531121894/>

--

This email has been checked for viruses by Avast antivirus software.  
[www.avast.com](http://www.avast.com)

From kd5byb at kd5byb.net Sun Jan 15 19:28:59 2023  
From: kd5byb at kd5byb.net (Ben Hall)  
Date: Sun, 15 Jan 2023 13:28:59 -0600  
Subject: [BoatAnchors] Super-Pro BC-794 - just about threw the thing out the window!  
In-Reply-To: <10d7a246-f3e6-20f5-a0d0-fb0a7da14955@kd5byb.net>  
References: <mailman.10971.1671422113.1307.boatanchors@lists.theporch.com>  
<501cf3c1-59f3-3b20-b6b8-e9e969beb31c@gmail.com>  
<368656ee-3651-b0fd-2d1d-7a39bec5b873@kd5byb.net>  
<8c4eebd2-2c7b-582a-368a-d55b0a524332@kd5byb.net>  
<76b66b6b-dd76-f042-8e17-4dd337777610@gmail.com>  
<ce810f29-6361-c908-520e-7f4d67b69bde@kd5byb.net>  
<c7969c52-bc1a-73a9-cf1a-34c288ea3503@kd5byb.net>

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<10d7a246-f3e6-20f5-a0d0-fb0a7da14955@kd5byb.net>  
Message-ID: <089fde41-f331-cf45-918e-74562288de68@kd5byb.net>

Afternoon all,

So today was the day - I was going to put the tuner back in the Super-Pro BC-794. I had so many problems I almost gave up. Here's the sad tale of this morning...

I had had the tuner assembly sitting out in the cold garage, so a few days ago I brought it inside to warm up. Figuring it was now good and warm, I proceeded to put it into the set. There's a bunch of wires that need to be fished thru and you've got to be super careful fishing the wires in as you drop the tuner in at an angle to clear one set of wires. Once they are clear, you've got to have it fully straight to drop in as it's a TIGHT fit. To get it fully seated, I had to rotate the radio up on it's side to use some pliers from the bottom to fish out three wires that got pinched between the tuner and the chassis. Yay, it's in!

Ooops, I forget that you've got to have the dial scales installed before dropping in the chassis. Out it came. Installed the dial scales, fished the wires, dropped it in. Next, you've got to get the dial scales properly meshed with the little pinch disks that grab the outside edges of the disks in order to rotate them when tuning. This is a massive pain, as you've got to SEE the pinch rollers while dropping in the tuner assembly. I finally figured out that the best way to do this is start with the bandspread first, using a screw driver to lift the right side of the tuner while getting the disk engaged with the pinch disks. Not bad. For the main dial scale, seeing down in there to align things is impossible due to the band scale shutter. I finally put the radio on it's side with a few screws in on the bandspread side so I could see the disk from the bottom (which is hard!) while manipulating the main scale disk to get into the pinch roller.

I tightened up a few screws and found that the main scale wouldn't turn. Huh? Took the tuner back out and found that the main tuning capacitor shaft was very tight and hard to turn. Ugh, something is mechanically wrong with the main tuning cap. It WAS NOT like this when I rebuilt the tuner. At least I don't remember it being like this? Opened up the tuner and couldn't figure out what was binding. I'm usually VERY HESITANT to make any tweaks to tuning cap end play adjustments, but bet I could tell, that's where it was jamming up. Loosened up the end play adjustment a bit and it now turned freely, but the cap plates were rubbing! Ugh. Maybe the end play adjustment needs cleaning.

So it came out - it's pretty cute - it's a screw with a cup on the inside end, in which there's a ball bearing, and that ball bearing engages in a



cup on the tuning cap shaft. Except that one of the cups is so worn, the ball is too small, so the two CUPS are riding on each other, not the ball! Ugh. Did I ever say that this radio looks like it was frequently used as a band-scanning set? Definitely some wear at the tuning shaft grounding fingers as well!

I don't have any ball bearing balls banging around, but found a 0.177" BB and tried it. It's still too small. About this time I managed to drop the original ball and it rolled under the bench never to be seen again. Needed something a little larger so went into the garage to see what I had out there. I didn't have any balls, but I had some bearings left over from repairing my old-enough-to-legally-drink John Deere lawn tractor, so cut two of those apart to get the balls. One bearing had balls that were too big, but the other was perfect.

That got reinstalled and when tightened so that the plate spacing was correct, it was still difficult to turn. Ugh! Loosened up the end play adjustment so it was easy to turn, and plates were crashing into each other. I recalled earlier when working on this tuner that I had loosened some of the stator screws looking to install some terminals, and that that had screwed up the plate alignment. Hmmm. So I went about adjusting ALL the stator plates so they would no longer rub. Had to make me up a set of PCB material shims, get good at eyeballing plate spacing, etc., but after about an hour of tweakerizing the whole bloody thing I finally got the plates centered with the end play adjustment back enough so that it wasn't sloppy, had some resistance, but still tuned easily.

I spent a good bit of time ensuring everything would stay put - tuning back and forth, etc...

Put the tuner back together and dropped it in again. The main dial now moved, but only thru part of the dial arc travel. The pinch roller would slip on some parts of the dial. Decided to see if maybe something got messed up in the pinch disk assembly, like perhaps I reassembled it wrong? Took it apart, all seemed fine, put it back together, still didn't work.

This pinch disk assembly has a LOT of wear. I thought - maybe if I remove the center metal disk spacer, I can get some more tension? I did that, but then it was sloppy, as the retaining nut couldn't pinch it together. Added a few number 10 washers and NOW the nut provides clamping force on the disks! Of course, too much tightening of the nut jams the whole thing up, so it's a bit tricky of an adjustment. I need to go back in there and put some thread-locking compound on that nut. Or maybe change it for a nylock? We'll see.

I've got to admit, the mechanical engineering on this set is pretty mickey mouse. That pinch disk setup works well when everything is perfect, but when everything isn't perfect, it doesn't. And it doesn't take much away

from perfect to mess it up.

At this point I think I'm going to take a rest before I continue reassembly. I'm kinda beat! And to think, I've got two more of these to rework, ugh... ;)

Thanks much and 73,  
ben

From arc5 at ix.netcom.com Mon Jan 16 03:38:48 2023  
From: arc5 at ix.netcom.com (David Stinson)  
Date: Sun, 15 Jan 2023 21:38:48 -0600  
Subject: [BoatAnchors] Super-Pro BC-794 - just about threw the thing out the window!  
In-Reply-To: <089fde41-f331-cf45-918e-74562288de68@kd5byb.net>  
References: <mailman.10971.1671422113.1307.boatanchors@lists.theporch.com>  
<501cf3c1-59f3-3b20-b6b8-e9e969beb31c@gmail.com>  
<368656ee-3651-b0fd-2d1d-7a39bec5b873@kd5byb.net>  
<8c4eebd2-2c7b-582a-368a-d55b0a524332@kd5byb.net>  
<76b66b6b-dd76-f042-8e17-4dd337777610@gmail.com>  
<ce810f29-6361-c908-520e-7f4d67b69bde@kd5byb.net>  
<c7969c52-bc1a-73a9-cf1a-34c288ea3503@kd5byb.net>  
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<10d7a246-f3e6-20f5-a0d0-fb0a7da14955@kd5byb.net>  
<089fde41-f331-cf45-918e-74562288de68@kd5byb.net>  
Message-ID: <ca61e90a-da29-aacc-c0eb-1d3ebce4d0f2@ix.netcom.com>

Such dogged determination is commendable, Ben.  
Let's hope it's a smooth down-hill coast from here.  
Dave S.

On 1/15/2023 1:28 PM, Ben Hall via BoatAnchors wrote:

>  
> At this point I think I'm going to take a rest before I continue  
> reassembly.? I'm kinda beat!? And to think, I've got two more of these  
> to rework, ugh...? ;)  
>  
> Thanks much and 73,  
> ben  
>  
>  
>  
> -----  
> BoatAnchors mailing list

> BoatAnchors at lists.theporch.com  
> <https://lists.theporch.com/mailman/listinfo/boatanchors>

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This email has been checked for viruses by Avast antivirus software.  
[www.avast.com](http://www.avast.com)

From wrcromwell at gmail.com Mon Jan 16 14:25:51 2023  
From: wrcromwell at gmail.com (William Cromwell)  
Date: Mon, 16 Jan 2023 09:25:51 -0500  
Subject: [BoatAnchors] Super-Pro BC-794 - just about threw the thing out the window!  
In-Reply-To: <089fde41-f331-cf45-918e-74562288de68@kd5byb.net>  
References: <mailman.10971.1671422113.1307.boatanchors@lists.theporch.com>  
<501cf3c1-59f3-3b20-b6b8-e9e969beb31c@gmail.com>  
<368656ee-3651-b0fd-2d1d-7a39bec5b873@kd5byb.net>  
<8c4eebd2-2c7b-582a-368a-d55b0a524332@kd5byb.net>  
<76b66b6b-dd76-f042-8e17-4dd337777610@gmail.com>  
<ce810f29-6361-c908-520e-7f4d67b69bde@kd5byb.net>  
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<089fde41-f331-cf45-918e-74562288de68@kd5byb.net>  
Message-ID: <fec5464f-fa2f-81f7-18ad-97cedfcb4185@gmail.com>

Hi Ben,

You are going to earn a? "Pro" merit badge :) Taking a break and coming back to it can really work. It can be amazing how much any task has changed while you took a break. Don't let it get away from you.

73,

Bill? KU8H

bark less - wag more

On 1/15/23 14:28, Ben Hall via BoatAnchors wrote:  
> Afternoon all,  
>  
> So today was the day - I was going to put the tuner back in the  
> Super-Pro BC-794.? I had so many problems I almost gave up. Here's the  
> sad tale of this morning...  
> ---snip-----  
> At this point I think I'm going to take a rest before I continue  
> reassembly.? I'm kinda beat!? And to think, I've got two more of these  
> to rework, ugh...? ;)  
>

> Thanks much and 73,  
> ben

>

>

>

>

> -----  
> BoatAnchors mailing list  
> BoatAnchors at lists.theporch.com  
> <https://lists.theporch.com/mailman/listinfo/boatanchors>

From dave at horsfall.org Mon Jan 23 04:15:48 2023  
From: dave at horsfall.org (Dave Horsfall)  
Date: Mon, 23 Jan 2023 15:15:48 +1100 (EST)  
Subject: [BoatAnchors] Collins gear on Oz TV  
Message-ID:  
<alpine.BSF.2.21.9999.2301231511470.35099@aneurin.horsfall.org>

Dunno if it's shown in USA, but the Aussie series "Operation Buffalo" (a story behind Maralinga etc) has some beautiful green panels with dials :-)

-- Dave

From ranickels at gmail.com Tue Jan 31 15:55:42 2023  
From: ranickels at gmail.com (Robert Nickels)  
Date: Tue, 31 Jan 2023 09:55:42 -0600  
Subject: [BoatAnchors] K4JRB, SK  
Message-ID: <c6938dcd-2445-2440-1ac2-66ef7973529b@gmail.com>

I was sad to read that David Thompson K4JRB is now a silent key:

<https://forums.qrz.com/index.php?threads/david-l-thompson-k4jrb-sk-january-4-2023.849106/>

Dave was a frequent contributor this forum and a long time boatanchor fan, with a special knowledge and interest in Hammarlund and his friend, former sales manager Frank Lester, W4AMJ.??? I'm proud to have given Dave's Henry 2K a new home a few years ago when he started to have health issues.?? RIP Dave.

73, Bob W9RAN